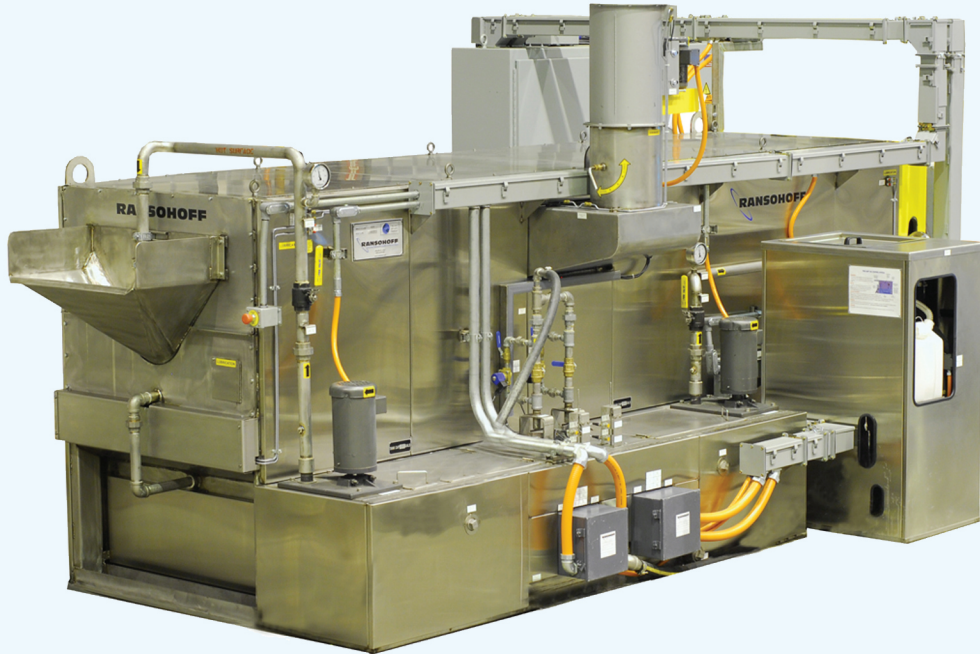




BLACKSTONE-NEY

ULTRASONICS



PRO-CLEAN DRUM

CASE STUDY

AMMUNITION CASES



PRO-CLEAN DRUM

AMMUNITION CASES

PRO-CLEAN DRUM

THE CHALLENGE:

Contamination: Heat treat scale, oils

Cleaning Expectations: Visual cleanliness

Drying Expectations: 100% Dry

Part Acceptance Method: Visual inspection, darkening removed. White glove test

Production: 20 cuft/hr.

Loading / Unloading: Unload Hopper

Preceding / Succeeding Ops: Anneal, Wash / Draw

Footprint Constraints: none defined.

THE SOLUTION:

Equipment: Pro-Clean Drum

Sequence: Pickle, Rinse, Rinse, Soap, and Dry

Cleaning Mechansims: Dip Cup – 2 per stage

Drying Mechansim: Heated blow-off

Chemistry: Sulfuric acid pickle, alkaline soap

Actual Footprint: 23'-6" Length x 8'-0" Width x 8'-6" High plus exhaust

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